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Sector 8

Atty. Docket No.: 10069/1062

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Roger Craig
Serial No.: 09/770,102
Filed: January 25, 2001
Entitled: "Composition and Methods for Monitoring
the Modification of Modification Dependent Binding
Partner Polypeptides"

Examiner:

Group Art Unit: 1653

Conf. No.: 5353

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, Express Mail Label No. EL728730180US on this date, August 16, 2001, postage prepaid, in an envelope addressed to Box: Missing Parts, Commissioner for Patents, Washington, D.C. 20231.

Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Box: Missing Parts
Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

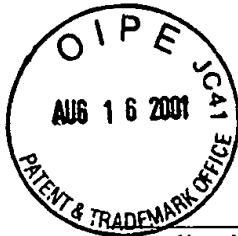
1. Response to Notice to File Missing Parts mailed May 24, 2001;
2. Copy of Notice to File Missing Parts- Part 2;
3. Amendment and Response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures;
4. Paper copy of Sequence Listing;
5. Computer readable copy of the Sequence Listing;
6. Marked up version for Sequence Amendment,
7. Executed Declaration and Power of Attorney;
8. Petition for Extension of Time;
9. Check in the amount of \$55.00 for One Month Extension fee
10. Check in the amount of \$1,741.00 for the requisite fee; and
11. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 10069/1062. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: August 16, 2001

Name: Kathleen M. Williams
Registration No.: 34,380
Customer No.: 27495
Palmer & Dodge LLP
One Beacon Street
Boston, MA 02108
Tel: 617-573-0100



Atty. Docket No.: 10069/1062 PATENT

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Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Box: Missing Parts
Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS

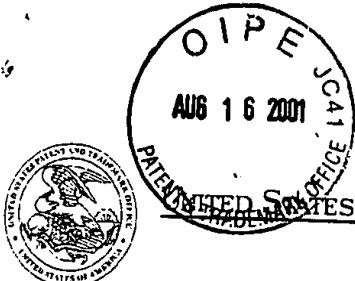
Dear Sir:

In response to Notice To File Missing Parts of Application mailed May 24, 2001 in the above-referenced patent application, please find enclosed the Response to Comply with the Requirements of 37 C.F.R. 1.821-1.825 with the Executed Declaration and Power of Attorney Form, a Copy of Notice to File Missing Parts, Part 2, a Petition for Extension of Time to File Response, a \$55.00 check for extension fees, and a check in the amount of \$1741.00 as required by 37 C.F.R. 1.51(c)(1), for the requisite filing fees.

Respectfully submitted,

Date: August 16, 2001

Name: Kathleen M. Williams
Registration No.: 34,380
Palmer & Dodge LLP
One Beacon Street
Boston, MA 02108



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/770,102	01/25/2001	Roger Craig	10069/1062

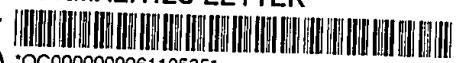
27495
PALMER & DODGE, LLP
ONE BEACON STREET
BOSTON, MA 02108-3190

Docketed *Dover*

CONFIRMATION NO. 5353

Response Due *Reop to NFMP* FORMALITIES LETTERStatutory Period *7/24/01 (1/24/01)*

Palmer & Dodge LLP *Final*
Patent Department



OC000000006110535

Date Mailed: 05/24/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 355 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$1321.
 - \$666 for 74 total claims over 20.
 - \$520 for 13 independent claims over 3.
 - \$135 for multiple dependent claim surcharge.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1741.**

RECEIVED

MAY 29 2001

Palmer & Dodge, LLP
Patent Department

355.00
520.00
666.00
135.00
65.00

This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such

request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- **For Rules Interpretation, call (703) 308-4216**
- **To Purchase PatentIn Software, call (703) 306-2600**
- **For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov**

H8
*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

OIP

AUG 16 2001

PATENT & TRADEMARK OFFICE

Atty. Docket No.: 10069/1062

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Roger Craig	Examiner:
Serial No.:	09/770,102	Group:
Filed:	January 25, 2001	Conf. No.:
Entitled:	"Composition and Methods for Monitoring the Modification of Modification Dependent Binding Partner Polypeptides"	1653

Box: Missing Parts
Commissioner for Patents and Trademarks
Washington, D.C. 20231

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE
AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Sir:

A corrected sequence listing is submitted in response to the Notice to Comply With Requirements For Patent Applications Containing Nucleotide And/Or Amino Acid Sequence Disclosures mailed by the PTO on May 24, 2001.

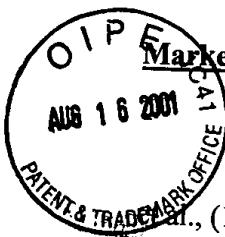
Please kindly replace paragraph two on page 56 with the following paragraph:

"A tag can comprise, but is not limited to an antigen or an epitope tag such as myc (Roth et al., (1991) *J. Cell Biol.* 115:587; HA, derived from influenza hemagglutinating protein (Wilson et al., (1984) *Cell* 37:767; FLAG (U.S. Patent 4,793,004; 4,851,341); IRS (RYIRS (SEQ ID NO:53) or IRS antibodies available from Berkeley Antibody Company, Richmond CA, (BAbCO)); AU1 (DTYRYI (SEQ ID NO:54), antibodies available from BAbCO); AU5 (TDFLYK (SEQ ID NO:55), antibodies available from BAbCO); glu-glu (EEEEYMPME (SEQ ID NO:56), antibodies available from BAbCO); KT3 (KPPTPPPPEPET (SEQ ID NO:57), antibodies available from BAbCO); T7 Tag™ (antibodies available from Novagen, Madison, WI); HSV Tag™ (antibodies available from Novagen); and S-Tag™ (antibodies available from Novagen), VSV-G (antibodies available from Research Diagnostics, Inc., Flanders NJ), and His Tag (antibodies available from Research Diagnostics, Inc., Flanders NJ). A tag can further comprise an antibody, a single-chain antibody, a coiled-coil region, sequence specific nucleic acid binding domains, such as DNA or RNA binding domains, SH3 or SH2 peptide interactions, metal chealating amino acids (Porath et al., (1975) *Nature* 258:598; Lonnerdal et al., (1982) *J. Appl. Biochem.* 4:203; Sulkowski, (1985) *Trends Biotechnol.* 3:1; U.S. Patent No. 5,047,513), a fluorochrome, a fluorescent protein, including green-fluorescent proteins, blue-fluorescent proteins, and red-fluorescent proteins, a molecule that quenches a fluorescent molecule, a radioactive amino acid or amino acids, a radioisotope, a radionuclide containing molecule, a reporter enzyme, such as luciferase (Brasier et al., (1989) *BioTechniques* 7:1116), chloramphenicol acetyltransferase (CAT) (Gorman et al., (1982))"

Enclosed is a marked up copy showing changes made.

Attorney Docket No.: 10069/1002
U.S.S.N. 09/770102
Roger Craig
Filed: 01/25/2001

Express Mail Label No: EL728730180US
Date of Deposit: August 18, 2001
#6



Marked-up version for sequence amendment

A tag can comprise, but is not limited to an antigen or an epitope tag such as myc (Roth et al., (1991) *J. Cell Biol.* 115:587; HA, derived from influenza hemagglutinating protein (Wilson et al., (1984) *Cell* 37:767; FLAG (U.S. Patent 4,793,004; 4,851,341); IRS (RYIRS (SEQ ID NO:53) or IRS antibodies available from Berkeley Antibody Company, Richmond CA, (BAbCO)); AU1 (DTYRYI (SEQ ID NO:54), antibodies available from BAbCO); AU5 (TDFLYK (SEQ ID NO:55), antibodies available from BAbCO); glu-glu (EEEEYMPME (SEQ ID NO:56), antibodies available from BAbCO); KT3 (KPPTPPPPEPET (SEQ ID NO:57), antibodies available from BAbCO); T7 Tag™ (antibodies available from Novagen, Madison, WI); HSV Tag™ (antibodies available from Novagen); and S-Tag™ (antibodies available from Novagen), VSV-G (antibodies available from Research Diagnostics, Inc., Flanders NJ), and His Tag (antibodies available from Research Diagnostics, Inc., Flanders NJ).. A tag can further comprise an antibody, a single-chain antibody, a coiled-coil region, sequence specific nucleic acid binding domains, such as DNA or RNA binding domains, SH3 or SH2 peptide interactions, metal chealating amino acids (Porath et al., (1975) *Nature* 258:598; Lonnerdal et al., (1982) *J. Appl. Biochem.* 4:203; Sulkowski, (1985) *Trends Biotechnol.* 3:1; U.S. Patent No. 5,047,513), a fluorochrome, a fluorescent protein, including green-fluorescent proteins, blue-fluorescent proteins, and red-fluorescent proteins, a molecule that quenches a fluorescent molecule, a radioactive amino acid or amino acids, a radioisotope, a radionuclide containing molecule, a reporter enzyme, such as luciferase (Brasier et al., (1989) *BioTechniques* 7:1116), chloramphenicol acetyltransferase (CAT) (Gorman et al., (1982)

Attorney Docket No.: 10069/1062
USSN: 09/770,102
Filed: 01/25/2001
Page 2 of 2

Applicants, in compliance with 37 C.F.R. 1.821(f), hereby state that the information recorded in computer readable form submitted herewith is identical to the written sequence listing. Applicants, in compliance with 37 C.F.R. 1.821(g), further state that no new matter is added.

Respectfully submitted,

Date: August 16 2001



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